# Synology iUSB250

# User's Guide



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# **Table of Contents**

Copyright Notice	2
Trademark Notice	2
Table of Contents	3
System Requirements	4
Before Using Synology iUSB	5
LED Indicators	5
iUSB Device Setup	6
Using Synology iUSB	11
A. Backing up Data to the iUSB Device	12
a. Immediate Backup	12
b. Synchronization	13
c. Scheduling Backups	14
B. Restoring Data to your Computer	17
C. Option	18
D. Log	19
Troubleshooting	20
Appendix - Specifications	21

# System Requirements

- 1. Pentium III equivalent processor or higher
- 2. Windows 98 / ME / 2000 / XP / Windows Server 2003
- 3. 128 MB RAM or more, as required by operating system
- 4. Internet connection (for system update)
- 5. Server Pack 4 for Windows 2000

## **US Patent Pending**

Pub. No.: US 2004/0205778 A1

## Before Using Synology iUSB

- 1. Please read and follow all warning notices and instructions.
- 2. Please keep Synology iUSB away from heat, direct sunlight, and water. Do not bend, flex, or drop the device.

## **LED Indicators**



- 1. **POWER LED** Lights up when power is supplied to the system.
- 2. ACTIVE LED Blinks when the internal hard disk is accessed.
- 3. **SECURITY LED** Lights up after the user logs into the system.

## iUSB Device Setup

# Before connecting the iUSB device, all Windows 2000 users should have Service Pack 4 installed on their system.

- 1. Connect the iUSB device to your computer. The automatic setup wizard will pop up after a few seconds.
- 2. Synology iUSB Setup Wizard will guide you step-by-step through the process for setting up the iUSB device. Click *Next* to continue.



3. If you agree to the terms of the License Agreement, select *I agree*. Click *Next* to continue.



4. The setup wizard will guide you through the following steps. Click *Next* to continue.



5. The iUSB disk can be configured to create two partitions: a public partition and a private partition. Data saved to the private partition will be protected with a user-defined password, while the public partition can work just like a regular USB external disk. You can set the size of the partitions by scrolling the horizontal scroll bar. Click *Next* to continue.

Synology iUSB Setup Wizard	and the second	×
<b>Ú</b> USB	Configure private partition and public partition Available disk capacity: 80 GB Private Partition	
Backup	Size:	
	File system: NTFS	
	Public Partition Size: 32 GB	
· · · ·	File system: FAT32	
	Cancel < <u>B</u> ack <u>N</u> ex	

6. The private partition is designed to secure your backup data. Please enter a password, then re-enter the password for confirmation. Click *Next* to continue.

Backup	To protect your data in the private partition, enter a password below. Password Confirm password
a the	The password can be left blank. It is case sensitive and can be up to 15 characters, including letters, numbers, symbols, and spaces. Notice: Synology iUSB is a highly secure device. Without a password, you will not be able to access your data in the private partition.
	Cancel < <u>B</u> ack <u>N</u> ext >

device through Advance->Format on the login window. However, your data will be deleted by formatting the hard disk. Please keep your password in a secure place.

<u>/!</u>`

7. The setup wizard will now display the defined setup summary of the internal disk. Click *Next* if the information is correct.

Synology iUSB Setup Wizard		×
Ú USB	Summary	
Backup	Frivate Partition Size: 48 GB File system: NTFS Enable compression: No	
	Public Partition Size: 32 GB File system: FAT32 Enable compression: No	
	Click ' <u>N</u> ext >' to continue.	
	Cancel < <u>B</u> ack <u>N</u> ext	$\geq$

8. The system will then format the hard disk. Click **OK** to start formatting.

Ú USB	Summary
Backup	Frivate Partition Size: 40 GB File system: NTFS
Synology iUSB	×
Warning! Syster	n will now format the iUSB hard disk. All data will be erased. Continue?
Warning! Syster	m will now format the iUSB hard disk. All data will be erased. Continue?
Warning! Syster	m will now format the iUSB hard disk. All data will be erased. Continue?

- Warning: All data will be deleted after the hard disk is formatted.
- 9. Please wait for the wizard to finish formatting the hard disk.



10. Click *Finish* when setup is complete.

Synology iUSB Setup Wizard	Now formating drive: H:\ 100 %	× : [
Jac hup	Status: Ready to format drive 'F:\', Please wait Drive F:\ format completed. Ready to format drive 'H:\', Please wait Drive H:\ format completed. Setup is complete, click 'Finish' to start backup.	
3	Cancel < Back Fin	ish

11. Now enter your password and click *Login* to start using the iUSB device. If the Login window does not appear, go to Windows Explorer and run AutoUp.exe in the drive labeled Synology iUSB.

🏭 USB Backup		×
USB Backup	) Login.	
Please enter	r your password.	
Password	*****	
	Remember my password.	
	Login Advanced	

## Using Synology iUSB



After entering Synology iUSB Backup UI, you will see the following window.

- 1. Backup: User can choose to back up selected files/folders
- 2. **Restore**: Users can restore data from the iUSB device to their PC.
- 3. **Option**: Users can filter out certain file types.
- 4. Log: All actions done on the iUSB device will be recorded in the log.
- 5. Immediate Backup: Files will be backed up to the iUSB device immediately.
- 6. **Synchronization**: Files will be backed up to the iUSB device if they are modified.
- 7. **Schedule Backup**: Files will be backed up to the iUSB device at the specified time.
- 8. **File/Folder Selection Window**: Users can choose specific folders/files to be backed up to the iUSB device. Folders, "My Documents" and "Desktop", are selected as default by the system.
- 9. Help: Detailed instructions of how to use iUSB Backup.
- 10. About: The current version and copyright of the iUSB device.

## A. Backing up Data to the iUSB Device

Synology iUSB Backup provides three types of backup as follows:



Note: When using the backup function for the first time, we suggest that you click Immediate Backup to back up all files and folders.

## a. Immediate Backup

1. To immediately back up the folders/files selected, select the folders/files you want to back up and click *Immediate Backup* on the right.



2. Users should choose All the selected files. Click OK to continue.

🕐 Synology iUSB Backup		_ 🗆 🗵
<b>USB</b> Backup	🕜 Help 🤤 About	
Bookup	Check the folders you want to backup	
	My Documents	Immediate Backup
Restore	What to upload	Synchronization
Log	OK Cancel	Schedule Backup
	Backup device is connected as F:	
		Synology*

3. The system will then start to back up selected file/folders to the iUSB device.

	00
acking up files lackup C:\Documents and lettings\Administrator\Desktop\temp\DS-	-101g+Usersi

4. The system will display a message indicating successful backup when uploading is finished. Click *Done* to finish.

Backing up files Back up successfully	Done

## **b.** Synchronization

1. Choose *Synchronization* after selecting the folders/files to be backed up, the iUSB Backup program will be minimized to the system tray to perform monitoring. Data in the selected folders/files will be backed up to the iUSB device automatically whenever they are modified.

🕐 Synology iUSB Backup				
<b>USB</b> Backup	0	Help	About	
Backup	Check the folders you want to backup Outlook and Outlook Express	s Files	4	Immediate Backup
Restore	All Z' CVS Z' Documents about DS-10 Toces Toces D' 1220	1usersguide		Synchronization
Option	Hy Captivate Projects My Captivate Projects My eBooks My Music My Pictures			Schedule Backup
Log	日 2012 PHOTOS 日 2012 Received files 日 1012 Synology 日 1012 我的音樂		•	
	Backup device is connected as F:			Synology*

2. To stop synchronizing, double click on the iUSB icon in the system tray. Click *Stop Synchronization* on the right. Users may proceed to other settings according to their needs.

🕧 Synology iUSB Backup		-IIX
USB Backup	🕜 Help 🤗 Abou	t
Backup Restore Option	Check the folders you want to backup	Immediate Backup Stop Synchronizatic Schedule Backup
	Backup device is connected as F:	
		Synology

# c. Scheduling Backups

Users can also back up data in the selected folders/files according to the schedule they define.



Note: Schedule Backup function works only when the iUSB Backup is logged in by the user.

- 🕧 Synology iUSB Backup About T Help 0 **USB** Backup Check the folders you want to backup -🟳 Outlook and Outlook Express Files My Documents Immediate Backup 🗄 🔽 All E CVS Restore 🗄 🔂 Documents about DS-101 usersguide faces Synchronization ⊕ \_\_\_\_ i320 🗄 д 🎦 Model User's Guide 🗄 🔲 My Captivate Projects Schedule Backup 🗄 🔲 My eBooks 🗄 🔲 My Music H My Pictures Received files □□□ Synology
  □□□ 我的音樂 41-65 200 Backup device is connected as F Synology
- 1. Click *Schedule Backup* after selecting folders/files to backup.

2. Set a schedule and a backup time in the following window. Then click *OK* to start the program.

You may choose Once, Daily, Weekly, or Monthly.

Schedule	Daily
Starting time	下午 07:28
- Schedule Task Da	aily
Every 1	dav(s)
· · · <u>·</u>	
· <u>·</u>	
- <u>-</u>	
×	

## Note:

iUSB Backup supports the following Outlook Express versions:

- Microsoft Outlook Express 5.0
- Microsoft Outlook Express 5.01
  - Microsoft Outlook Express 5.01 Service Pack 1



- Microsoft Outlook Express 5.01 Service Pack 2
- Microsoft Outlook Express 5.5
- Microsoft Outlook Express 6.0

### **B.** Restoring Data to your Computer

1. Click the *Restore* button on the left.

🕐 Synology iUSB Backup	
USB Backup	🕜 Help 🕒 About
	You can restore your data by dragging files/folders from Synology iUSB to My Computer
Backup	Synology iUSB My Computer       CENTRUMAdministrator     CENTRUM       C:     C:
Restore	
Option	
Log	
	Backup device is connected as F:
	Synology

- 2. Select the location for the files you will restore in the column under *My Computer*. (The path of your own machine).
- Select the files you want to restore in the column under Synology iUSB. Synology iUSB Backup by default uploads Windows client files to the directory on iUSB private drive:\SYNOLOGY\_BACKUP-{Your computer name}\. The column under Synology iUSB displays all subdirectories/files in each directory.
- 4. Drag folders/files to restore from *Synology iUSB* to *My Computer*.



Note: You can also restore files by dragging files from iUSB Private (drive) in My Computer to the local drive.

# C. Option

You can choose not to back up certain file types with the Filter function by using the following setting. Files with the specified prefix or extension will not be copied onto the iUSB device.



Click the *Filter* button to add specific files to the ignore list, and click *OK* to finish.

ion	
Extension	Add
	Delete
Prefix	Add
	Delete
Hint	
Files with the prefix or extension specified above will not be copied onto the USB device.	ОК

# D. Log

All the actions and events executed on the iUSB device will be recorded here. This way, you can always come back to check all previous actions if you missed any action messages.

🚺 Synology iUSB Backup		×
<b>USB</b> Backup		🕜 Help 🤗 About
Backup	Time	Event
Committing of the second secon	06/22/2005 13:59:59	Backup stopped
1	06/22/2005 13:59:59	C:\Documents and Settings\Administrator\Desktop\~WRL403
	06/22/2005 13:59:53	C:\Documents and Settings\Administrator\Desktop\~WRL381
Restore	06/22/2005 13:59:48	C:\Documents and Settings\Administrator\Desktop\~WRL364
	06/22/2005 13:59:47	C:\Documents and Settings\Administrator\Desktop\~WRL321
~	06/22/2005 13:59:47	C:\Documents and Settings\Administrator\Desktop\~WRL300
	06/22/2005 13:59:47	C:\Documents and Settings\Administrator\Desktop\~WRL285
Ontion	06/22/2005 13:59:47	C:Documents and Settings/Administrator/Desktopt~WRL280
Opnori	06/22/2005 13:59:41	CtDocuments and Settings/Administrator/Desktopt~WRL248
	06/22/2005 13:59:37	C:Documents and Settings/Administrator/Desktop/~//RL248
	06/22/2005 13:59:37	C:Documents and Settings/Administrator/Desktop/~//RL243
	06/22/2005 13:59:37	C:Documents and Settings/Administrator/Desktop/~WRL124
Log	06/22/2005 13:58:37	C:Documents and Settings/Administrator/Decktop/~WREL22
	06/22/2003 13:38:37	C:Documents and Settings/Administrator/Desktop/~Vi(L073
	06/22/2005 13:59:37	C:Documents and Settings/Administrator/Desktop/-Wit2032
	<li>I I I I I I I I I I I I I I I I I I I</li>	C.E.C.Canena and CeningSy annual alone control. With Cool
	Card and a second se	
	Save	Clear Synology*

# Troubleshooting

1. The system cannot detect the iUSB device.			
Check	Solution		
If you've	Please connect the device to the system using the USB cable.		
connected the			
iUSB device			
properly using			
the USB cable.			
If power is being	Provide sufficient power supply.		
supplied to the	1. First connect the iUSB device using the DC USB cable		
iUSB device.	and then the USB cable.		
	2. If solution 1 does solve this problem, try using a 5V power		
	adapter to ensure sufficient power supply.		
If the iUSB is	If your iUSB device is connected to a hub, you might have a		
connected to a	power shortage problem.		
hub.	Please refer to the solutions above.		
If the iUSB disk	Please follow the path as:		
is using the same	Start $\rightarrow$ Programs $\rightarrow$ Accessories $\rightarrow$ Windows Explorer. Click on		
drive letter with	"My Computer" and right click "Manage". Choose "Disk		
the ones for other	Management" to check if the iUSB drive letter is repeated. If		
network drives.	so, please change the other network drive letters.		
The system	There may be some problems with the USB component on the		
	motherboard. Please connect the iUSB device to other systems		
	or verify if other USB devices can be detected on your system.		
2. The system failed to eject the iUSB device.			
Check	Solution		
If the system is	End all programs including Synology iUSB Backup, Synology		
executing	iUSB Setup Wizard, and Windows file Manager. Then try ejecting		
programs in	the iUSB device again.		
Synology iUSB			
or if the iUSB			
device is being			
used by other			
programs.			

#### **Appendix - Specifications**

#### **Hardware Specifications**

## **USB Interface**

USB 2.0 and 1.1 compliant

Mini USB 2.0 port with hot-plug capability

Able to support data transfer rates up to 480 Mbps

#### **Power Jack**

DC 5V Power Jack

#### **LED Status**

POWER LED: Power status

ACTIVE LED: HDD active status

SECURITY LED: Security status

## **Environmental Specifications**

Operating Temperature:  $5 \sim 35^{\circ}C(41 \sim 95^{\circ}F)$ 

#### **Physical Specifications**

Dimensions: 120 x 75 x 20 mm Weight: 130g (without 2.5" HDD)

#### **Software Features**

Synology iUSB Backup Wizard Plug&Play auto-up software Step-by-step installation Password for data protection Synology iUSB Backup Easy to use and powerful backup software Complete backup function Drag and drop restoration Multi-Language Support English, French, German, Japanese, Korean, Italian, Spanish, Portuguese, Russian, Traditional Chinese, Simplified Chinese